## (19) World Intellectual Property Organization

International Bureau



PCT

## 

(43) International Publication Date 24 November 2005 (24.11.2005)

## (10) International Publication Number WO 2005/110803 A1

(51) International Patent Classification<sup>7</sup>: 2/44, 2/46, 2/68

B60N 2/30,

(21) International Application Number:

PCT/US2004/023374

(22) International Filing Date: 21 July 2004 (21.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 60/488,899 21 July 2003 (21.07.2003)

(71) Applicant (for all designated States except US): INTIER AUTOMOTIVE INC. [CA/CA]; 521 Newpark Blvd., Newmarket, Ontario L3Y 4X7 (CA).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): HOLDAMPF, Carl, John [US/US]; 35572 Johnston Road, Farmington Hills, MI 48335 (US). WICKHAM, Arnold, James [US/US]; 6355 Maplehill, Brighton, MI 48116 (US). WELCH, Christopher, Scott [US/US]; 117 Mohawk, Pontiac, MI 48341 (US).
- (74) Agents: ASHER, Robin, W. et al.; Clark Hill PLC, Suite 3500, 500 Woodward Avenue, Detroit, MI 48226-3435 (US).

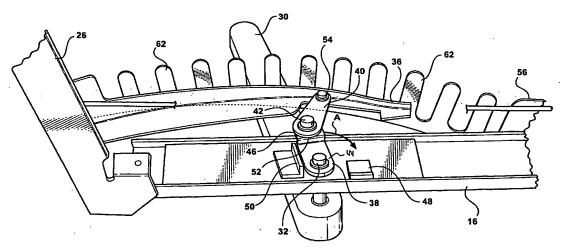
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ADJUSTABLE SIDE BOLSTERS



(57) Abstract: A seat frame assembly (14) is provided for compactly folding a motor vehicle seat. The seat frame assembly (14) includes a pair of spaced apart and parallel side frame members (16, 18) defining a vertical plane, and a lower cross member (26) extending between the pair of side frame members. An actuator (30) is pivotally secured to one of the pair of side frame members. A linkage assembly includes first (38) and second (40) link members, which are pivotally secured to one another. The first link member extends between the actuator and the second link member. A control arm (36) is fixedly secured to the second link member and pivotally secured to the lower cross member. When the actuator is pivoted, the control arm moves between a support position extending away from the side frame members and a stowed position co-planar with the side frame members.